

ANTIBACTERIAL DECORATIVE PLATE

**Patent number:** JP9001742

**Publication date:** 1997-01-07

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**Classification:**

**- international:** B32B27/00; A01N25/08; A01N25/24; A01N25/34; A01N59/16; B32B27/04; B32B27/18; B32B27/00; A01N25/08; A01N25/24; A01N25/34; A01N59/16; B32B27/04; B32B27/18; (IPC1-7): B32B27/18; A01N25/08; A01N25/24; A01N25/34; A01N59/16; B32B27/00; B32B27/04

**- european:**

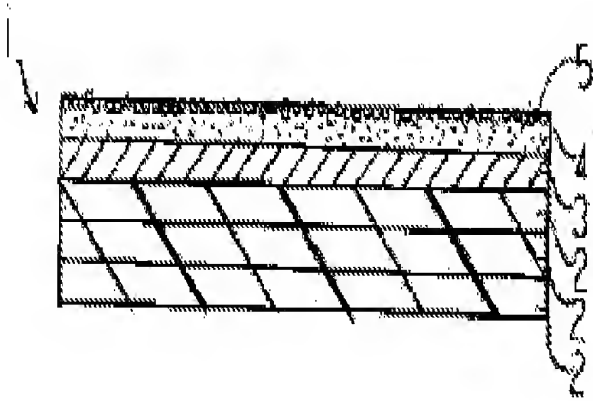
**Application number:** JP19950174150 19950616

**Priority number(s):** JP19950174150 19950616

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Abstract of JP9001742

PURPOSE: To continue the sterilizing effect for a long period by providing a resin layer on the surface of a pattern layer formed on a resin-impregnated base material, and incorporating silver in glass in antibacterial particles of an antibacterial decorative plate of the resin layer. CONSTITUTION: A pattern sheet 3 having a degree of impregnation with melamine resin of 40% is coated at a ratio of 60g/m<2> to form a resin layer 4 having a thickness of 7μ m. One kilogram of silica glass particles, 10l of pure water and 50g of silver nitrate are agitated, cleaned with pure water, dried, melted at 100 deg.C, cooled, and comminuted to a mean particle size of 2μ m, thereby obtaining antibacterial particles 5 of silica glass containing 2% of silver. The suspension liquid is spray coated on the surface of the layer 4 to stick the particles at a ratio of about 1g/m<2> . The sheet 3 is formed, simultaneously pattern sheet is impregnated with melamine resin to obtain a core sheet 2 having 30% of degree of impregnation. Then, one pattern sheet 1 formed with the resin layer by a normal manufacturing method is disposed at the uppermost layer, three core sheets are laminated thereunder, and hot pressed at 150 deg.C at 80kg/cm<2> for 60min to obtain a melamine decorate plate 1.



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